BRUHAT BANGALORE MAHANAGARA PALIKE

RATE ANALYSIS

NAME OF WORK: Development of Foothpath on Major Sandeep Unnikrishnan Road and Resurfacing of roads at Judicial layout in ward no 04 of yelahanka Division (Package -10)

Estimate Amount:-	**Rs 500.00 LAKHS**
Approved Amount	**44035761.51**
Name of Contractor:-	**Sri Yashwanth Gowda H S, M/S SLP Infra Engineers Pvt Ltd, #13, 2nd Cross, 2nd Stage, 1st Phase, Chandralayout, Bangalore - 560040**
Tender premium:-	**4.95% Above**

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 6%	Total Rate	Add T.P (+)4.95%	Final Rate.
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications	Cum	139	18.18	557.00	77.48	634.48	33.42	667.90	33.06	700.96
5	Providing TMT Bars Fe 500 reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification Issue rate	Tonne	229	28.8.2 Issue rate 03/03/2022	85468.00	0	85468.00	5128.08	90596.08	4484.51	95080.59
6	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete and as per the directions of the Engineer-in-charge of the	Cum	271	37.59.2 Issue rate 03/03/2022	7292.14	0	7292.14	437.5284	7729.67	382.62	8112.29

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 6%	Total Rate	Add T.P (+)4.95%	Final Rate.
12	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work	Sqm	180	24.1	80.00		80.00	4.8	84.80	4.20	89.00
18	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	143	19.1	41.00	20.48	61.48	2.46	63.94	3.17	67.11
19	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum	153	20.5	1882.00	0	1882.00	112.92	1994.92	98.75	2093.67
20	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per	Cum	155	20.18	1888.00		1888.00	113.28	2001.28	99.06	2100.34

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 6%	Total Rate	Add T.P (+)4.95%	Final Rate.
21	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work	Sqm	158	21.6 Issue rate 03/03/2022	41.00	0	41.00	2.46	43.46	2.15	45.61
22	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Sqm	158	21.2	5.00	0	5.00	0.3	5.30	0.26	5.56
23	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen complete as per specifications and directions of the Engineer in charge	Cum	160	21.17.6 Issue rate 03/03/2022	8830.00	0	8830.00	529.8	9359.80	463.31	9823.11
24	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work	Sqm	161	21.7 Issue rate 03/03/2022	12.00	0	12.00	0.72	12.72	0.63	13.35

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 6%	Total Rate	Add T.P (+)4.95%	Final Rate.
25	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision as per IRC SP-53-2015 - using 40-60 TPH capacity HMP with mechanical Paver, Gr-II (30-45mm) with 5.4 % of modified bitumen binder consisting of 4.97% VG- 30 bitumen (60/70 grade) 0.43% Plastomeric Thermoplastics (Waste plastic Additive). complete as per specifications and directions of the Engineer in charge.	Cum	171	21.78.12 Issue rate 03/03/2022	10283.00	0	10283.00	616.98	10899.98	539.55	11439.53
E1	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification	Sqm	Pg No 112 of KPWD S R 2018-19	14.62	1232.00	0	1232.00	73.92	1305.92	64.64	1370.56

Asst Engineer

Asst Executive Engineer

Executive Engineer